

CAS

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S31	20	pdms and plasma and (pre\$1oxidation or pre\$1oxidiz\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/09/05 23:00
S32	2016	pdms and metal and channel\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/09/05 23:00
S33	14076	siloxane with bond\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/09/05 23:03
S34	478	S33 and (without with adhesive\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/09/05 23:08
S35	85	microfluidic and (siloxane with bond\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/09/05 23:09
S36	3	("5647939"   "5932799"   "5942443"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/05 23:14
S37	4	("6719868").URPN.	USPAT	OR	OFF	2007/09/06 11:48
S38	14091	(siloxane with bond\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 12:36
S39	1262	S38 and channel\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 11:49

## EAST Search History

S40	99	S39 and pdms	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 11:49
S41	71	S40 and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 11:59
S42	34	428/450.ccls. and 428/156-172.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 12:03
S43	33	428/450.ccls. and pdms	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 12:06
S44	18	428/156,166,167.ccls. and pdms	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 12:10
S45	153	428/156,166,167.ccls. and \$8siloxane\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 12:11
S46	185	428/156,166,167.ccls. and \$12siloxane\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 12:30
S47	1077	pdms and metal and microfluidic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 12:32
S48	1026	S47 and channel\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 12:31
S49	11	pdms and metal and (plasma) and( pre\$1oxidiz\$3 or pre\$1oxidation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 12:33

## EAST Search History

S50	85	(siloxane with bond\$3) and microfluidic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 12:36
S51	1	("4491730").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 12:46
S52	7	250/573.ccls. and (siloxane\$1 or pdms)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 12:48
S53	51	356/436,440,432,246.ccls. and (siloxane\$1 or pdms)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 12:55
S54	579	"428"/\$.ccls. and pdms	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 12:55
S55	1379	"428"/\$.ccls. and (pdms or \$12siloxane\$1) and channel\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 12:58
S56	1129	S55 and metal	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 12:58
S57	1722	"428"/\$.ccls. and (siloxane with bond\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 12:58
S58	66	S57 and (channel\$1) and plasma	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 13:04
S59	101	428/447,450.ccls. and 428/156-188.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 13:22
S60	11	S59 and plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 13:05
S61	209	(siloxane\$1 with bond\$3 with seal\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 13:28
S62	25	428/156-167.ccls. and (electrical with connector\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 13:29

## EAST Search History

S63	29	428/156-167.ccls. and ((electrical or electronic) with connector\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 13:58
S64	46	428/156-167.ccls. and ((siloxane\$1 or pdms or \$12siloxane\$1) with (bond\$3 or seal\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 14:09
S65	2	"5311775".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 14:15
S66	24	428/156-172.ccls. and (siloxane\$1 with bond\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 14:37
S67	2475	metal with (seal\$3 or bond\$3) with (siloxane\$1 or pdms or \$12siloxane\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 14:38
S68	3	S67 and (impermeable with seal\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 14:39
S69	2	"5311775".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 14:52
S70	9	428/164.ccls. and (siloxane\$1 or pdms or \$12siloxane\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 14:55
S71	2466	metal with (seal\$3 or bond\$3) with (\$12siloxane\$1 or pdms)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 14:57
S72	77	S61 and (channel\$1 or space\$1 or gap\$1 or recess\$2 or depression\$1 or protrusion\$1 or projection\$1 or protubernace\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 15:05

## EAST Search History

S73	77	S61 and (channel\$1 or space\$1 or gap\$1 or recess\$2 or depression\$1 or protrusion\$1 or projection\$1 or protuberance\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 14:58
S74	494	S71 and (channel\$1 or space\$1 or gap\$1 or recess\$2 or depression\$1 or protrusion\$1 or projection\$1 or protubernace\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 15:05
S75	495	S71 and (channel\$1 or space\$1 or gap\$1 or recess\$2 or depression\$1 or protrusion\$1 or projection\$1 or protuberance\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 15:06
S76	10	(seal\$3 with impermeable) with siloxane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 15:07
S77	280	microfluidic and (\$12siloxane\$1 with (seal\$3 or bond\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 15:45
S78	5	438/4.ccls. and ((pdms or \$12siloxane\$1) with (seal\$3 or bond\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 15:47
S79	126	microfluidic and (\$12siloxane\$1 with (bond or seal\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 16:11
S80	1729	428/450,447.ccls. and (\$12siloxane\$1 with (seal\$3 or bond\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 16:13
S81	1339	428/450,447.ccls. and (\$12siloxane\$1 'with (seal\$3 or bond\$3)) and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 16:13
S82	4	428/450,447.ccls. and (\$12siloxane\$1 with (seal\$3 or bond\$3)) and microfluidic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 16:14

## EAST Search History

S83	109	428/450,447.ccls. and (\$12siloxane\$1 with (seal\$3 or bond\$3)) and (channel\$1 or recess\$2 or depression\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 16:19
S84	22	pdms with (bond\$3 or seal\$3) with metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 16:20
S85	2466	(pdms or \$12siloxane\$1) with (bond\$3 or seal\$3) with metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 16:21
S86	142	S85 and (channel\$1 or recess\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 16:32
S87	159	metal with gel with interface	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 16:32
S88	12	S87 and (pdms or \$12siloxane\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 16:35
S89	399	428/156-188.ccls. and (pdms or siloxane\$1 or \$12siloxane\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 16:57
S90	8580	grating\$1 and diffraction and ((pdms or siloxane\$1) with seal\$3 or bond\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 16:58
S91	2698	S90 and modulation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 16:59
S92	3982	S90 and modulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 16:59

## EAST Search History

S93	1979	S92 and channel\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 17:00
S94	1474	S93 and (metal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/06 16:59
S95	1009	S92 and channel\$1	USPAT; USOCR; DERWENT	OR	OFF	2007/09/06 22:06
S96	53	microfluidic and pdms and ((irreversibl\$2) with (seal\$3 or bond\$3))	USPAT; USOCR; DERWENT	OR	OFF	2007/09/06 22:15
S97	84	microfluidic and (pdms with (seal\$1 or bond\$3))	USPAT; USOCR; DERWENT	OR	OFF	2007/09/06 22:21
S98	18	microfluidic and (pdms with (seal\$3 or bond\$3) with metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/09/06 22:22
S99	0	diffraction and(pdms with (seal\$3 or bond\$3) with metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/09/06 22:23
S10 0	0	grating\$1 and (pdms with (seal\$3 or bond\$3) with metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/09/06 22:24
S10 1	126	(pdms with seal) and microfluidic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/09/06 22:30
S10 2	41	428/156-172.ccls. and microfluidic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/09/06 22:30

## EAST Search History

S10 3	4	("4582684"   "4810658"   "4880752"   "4978503").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 22:35
S10 4	54	("5443890").URPN.	USPAT	OR	OFF	2007/09/06 22:36
S10 5	36	("3799742"   "3980541"   "4225410"   "4517089"   "4654127"   "4686041"   "4726900"   "4795560"   "4908112"   "4963498"   "4978503"   "5108704"   "5147606"   "5180480"   "5250263"   "5262128"   "5296375"   "5304487"   "5376252"   "5427663"   "5427946"   "5429734"   "5443890"   "5482608"   "5486335"   "5500071"   "5503803"   "5513757"   "5560811"   "5571410"   "5603351"   "5635358"   "5792354"   "5882930"   "5885470").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 22:49
S10 6	529	(pdms with (seal\$3 or bond\$3)) and plasma	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 22:55
S10 7	133	seal with siloxane	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 23:02
S10 8	4071	siloxane with bond	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 23:02
S10 9	38	polydimethylsiloxane with seal	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 23:05
S11 0	3480	"428"/\$.ccls. and polydimethylsiloxane\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 23:06
S11 1	547	428/131-188.ccls. and (polydimethylsiloxane\$1 or siloxane\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 23:13
S11 2	607	428/156,167,166.ccls. and silicone\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 23:14
S11 3	12	S112 and microfluidic	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 23:16
S11 4	104	microfluidic and (impermeable with seal\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 23:18
S11 5	397	microfluidic and (hermetic\$4 with seal\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 23:18



## EAST Search History

S11 6	190	S115 and (siloxane\$1 or silicone\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 23:20
S11 7	4876	428/447,450.ccls. and (pdms or silicone\$1 or siloxane\$1 or \$12siloxane\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 23:22
S11 8	23	S117 and microfluidic	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 23:23
S11 9	465	S117 and (recess\$2 or groove\$2 or channel\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/06 23:24
S12 0	7	"9005295".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/07 11:53
S12 1	21	"9005295"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/07 12:05
S12 2	7	"226470".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/07 12:06
S12 3	2	"5313264".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/07 12:06
S12 4	1	("4304257").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/07 12:06
S12 5	111	("5313264").URPN.	USPAT	OR	OFF	2007/09/07 12:07
S12 6	247	428/156,166,167.ccls. and (silicone\$1) and seal\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/07 12:28